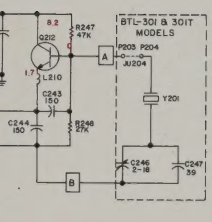
RECEIVER

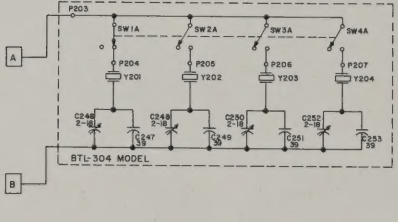
FREQUENCY	C101	C102	C103	C104	C105	C106	C151	C152
30-35MHZ	33	300	1.2	27	1.2	22	2.7	15
35-44MHZ	22	220	1.0	18	.82	12	2.2	10
44-50MHZ	15	150	.82	10	.82	8.2	2.2	8.2

TRANSMITTER

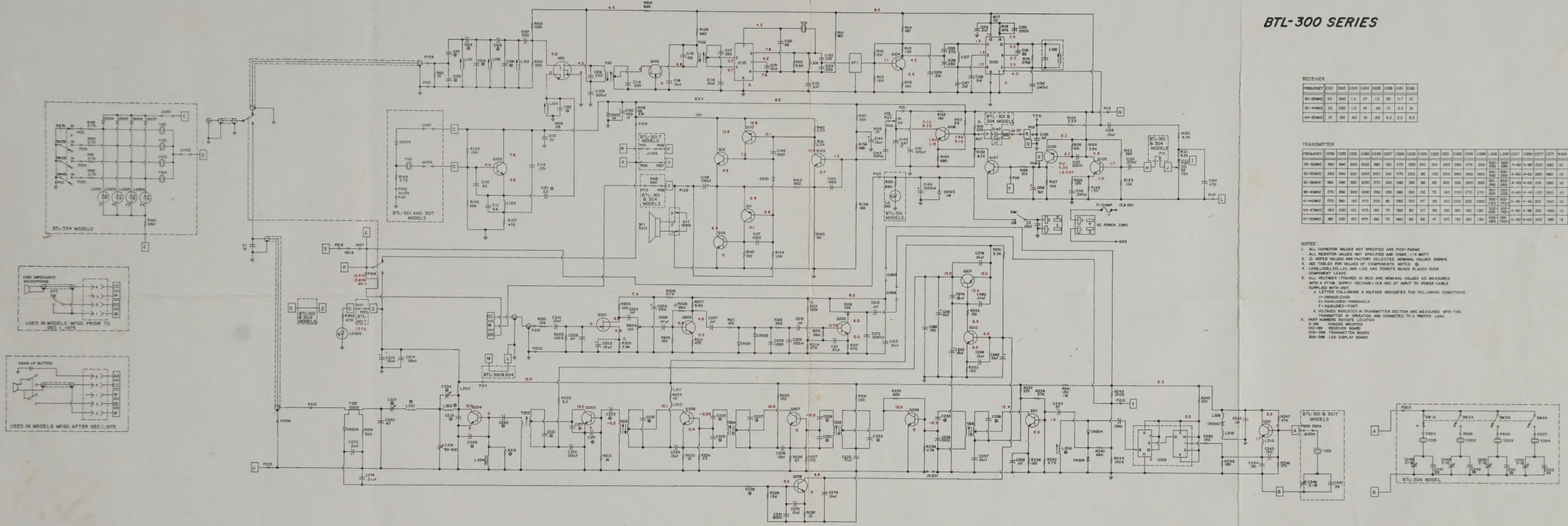
FREQUENCY	C238	C235	C233	C230	C229	C227	C226	C225	C223	C222	C221	C220	C219	C269	L206	L202	C217	C254	C277	C271	R219	R228	L201
29-32MHZ	390	680	300	1000	360	150	470	220	100	120	300	390	470	300	302-490	302-086	4-60	4-60	200	560	10	470	302-404
32-35MHZ	360	560	220	1000	300	150	470	220	82	100	250	360	390	300	301-892	302-086	4-60	4-60	200	560	10	680	302-404
35-38MHZ	360	560	220	1000	270	100	360	150	82	82	200	300	300	300	301-892	302-086	4-60	4-60	100	560	10	820	302-087
38-41MHZ	270	390	200	1000	250	100	360	150	56	75	180	250	270	270	301-892	302-086	4-40	4-40	100	560	10	1.5K	302-087
41-44 MHZ	270	390	150	470	220	82	360	100	47	56	150	200	220	1000	302-083	102-742-1	4-40	4-40	100	560	10	1.8K	302-196
44-47MHZ	180	220	120	470	180	75	360	82	47	56	120	180	180	180	302-083	102-742-1	4-40	4-40	100	560	10	2.2K	302-196
47-50MHZ	180	220	120	470	180	75	360	82	36	47	100	150	150	150	302-083	102-742-1	4-40	4-40	100	390	15	2.7K	302-196

NOTES:
1. ALL CAPACITOR VALUES NOT SPECIFIED ARE PICO-FARAD.
   ALL RESISTOR VALUES NOT SPECIFIED ARE OHMS, 1/4 WATT.
2. Δ NOTED VALUES ARE FACTORY SELECTED. NOMINAL VALUES SHOWN.
3. SEE TABLES FOR VALUES OF COMPONENTS NOTED ✪.
4. L208, L209, L210, L211, AND L212 ARE FERRITE BEADS PLACED OVER COMPONENT LEADS.
5. ALL VOLTAGES (FIGURES IN RED) ARE NOMINAL VALUES AS MEASURED WITH A VTVM. SUPPLY VOLTAGE=13.8 VDC AT INPUT TO POWER CABLE SUPPLIED WITH UNIT.
   a. LETTER FOLLOWING A VOLTAGE INDICATES THE FOLLOWING CONDITIONS:
      U= UNSQUELCHED
      S= SQUELCHED—THRESHOLD
      T= SQUELCHED—TIGHT
   b. VOLTAGES INDICATED IN TRANSMITTER SECTION ARE MEASURED WITH THE TRANSMITTER IN OPERATION AND CONNECTED TO A PROPER LOAD.
6. PART NUMBERS INDICATE LOCATION
   0-99 CHASSIS MOUNTED
   100-199 RECEIVER BOARD
   200-299 TRANSMITTER BOARD
   300-399 LED DISPLAY BOARD





8-7 SCHEMATIC WITH VOLTAGES



RECEIVER

FREQUENCY	C101	C102	C103	C104	C105	C106	C151	C152
30-35MHZ	33	300	1.2	27	1.2	82	2.7	15
36-44MHZ	22	220	1.0	18	.82	12	2.2	10
44-50MHZ	15	150	.82	10	.82	8.2	2.2	8.2

TRANSMITTER

FREQUENCY	C201	C202	C203	C250	C229	C227	C226	C225	C225	C222	C221	C220	C218	C268	L206	L208	C217	C254	C277	C271	R229	R238	L259
29-32MHZ	390	680	300	1000	360	150	470	220	100	120	300	390	470	300	300-490Ω	300-685Ω	4-60	4-60	200	560	10	470	300-404
32-35MHZ	360	560	220	1000	300	150	470	220	82	100	250	360	390	300	300-850Ω	300-1265Ω	4-60	4-60	200	560	10	680	300-404
35-38MHZ	360	560	220	1000	270	100	360	150	82	85	200	300	300	300	300-850Ω	300-1265Ω	4-60	4-60	100	560	10	820	300-057
38-41MHZ	270	390	200	1000	250	100	360	150	56	75	180	250	270	270	300-850Ω	300-1265Ω	4-60	4-60	100	560	10	1.5K	300-281
41-44MHZ	270	390	150	470	220	82	360	100	47	56	150	200	220	1000	300-083Ω	400-742Ω	4-60	4-60	100	560	10	1.8K	300-196
44-47MHZ	180	220	120	470	180	75	360	82	47	56	120	180	180	180	300-083Ω	400-742Ω	4-60	4-60	100	560	10	2.2K	300-196
47-50MHZ	180	220	120	470	180	75	360	82	39	47	100	150	180	150	300-083Ω	400-742Ω	4-60	4-60	100	390	15	2.7K	300-196

NOTES:
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   ALL RESISTOR VALUES NOT SPECIFIED ARE OHMS, 1/4 WATT.
2. Ω NOTED VALUES ARE FACTORY SELECTED. NOMINAL VALUES SHOWN.
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      S= SQUELCHED--THRESHOLD
      T= SQUELCHED--TIGHT
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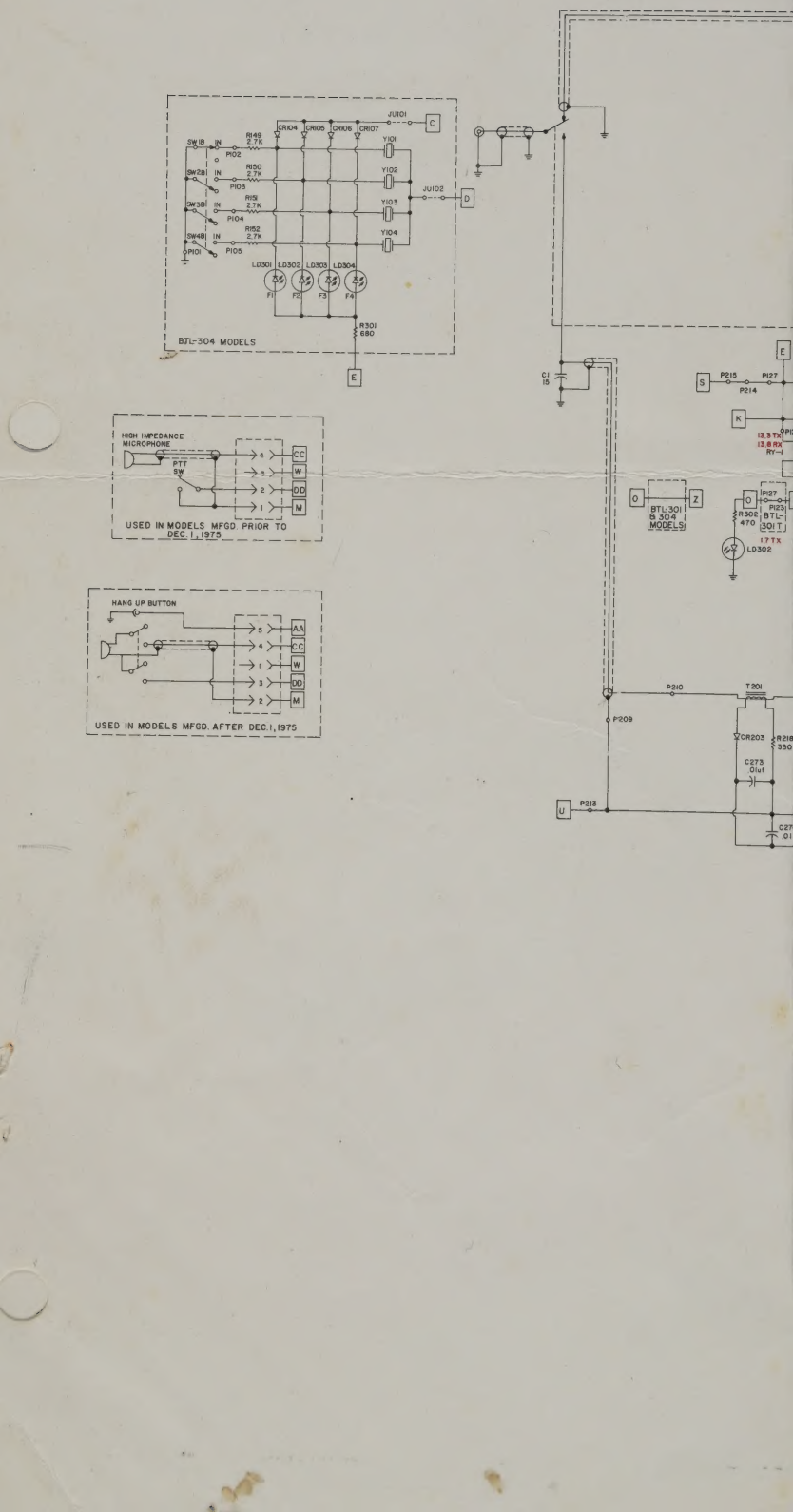
6. PART NUMBERS INDICATE LOCATION
   0-99 CHASSIS MOUNTED
   100-199 RECEIVER BOARD
   200-299 TRANSMITTER BOARD
   300-399 LED DISPLAY BOARD

8-7 SCHEMATIC WITH VOLTAGES


JU101
C
CR104
CR105
CR106
CR107
SW1B
IN
R149
2.7K
P102
Y101
SW2B
R150
2.7K
P103
Y102
JU102
D
SW3B
R151
2.7K
P104
Y103
SW4B
R152
2.7K
P105
Y104
P101
LD301
LD302
LD303
LD304
F1
F2
F3
F4
R301
680
E
BTL-304 MODELS
HIGH IMPEDANCE MICROPHONE
PTT SW
4
3
2
1
CC
W
DD
M
USED IN MODELS MFGD. PRIOR TO DEC. 1, 1975
HANG UP BUTTON
5
4
1
3
2
AA
CC
W
DD
M
USED IN MODELS MFGD. AFTER DEC. 1, 1975
C1
15
E
P215
P127
P214
S
K
13.3 TX
13.8 RX
RY-1
O
Z
BTL-301
& 304
MODELS
P127
P123
R302
470
BTL-
301 T
17 TX
LD302
P210
T201
P209
CR203
R218
330
C273
.01uf
P213
U
C27
01